

Claims

1. Optical recording medium comprising first and second substrates (2, 8)
5 wherebetween there is arranged at least one first photosensitive layer (5)
comprising a front face (5a) for receiving optical radiation (6), by means of
the second substrate (8), during writing and/or reading operations, medium
characterized in that a first deformable layer (7), transparent to the optical
radiation (6), is arranged between the first photosensitive layer (5) and the
10 second substrate (8).
2. Medium according to claim 1, characterized in that the first photosensitive
layer (5) comprises an inorganic material.
- 15 3. Medium according to one of the claims 1 and 2, characterized in that the
first substrate (2) comprises a patterned front face (2b).
4. Medium according to any one of the claims 1 to 3, characterized in that
the first deformable layer (7) comprises a polymer previously cross-linked by
20 a light radiation.
5. Medium according to claim 3, characterized in that the polymer is chosen
among silicones.
- 25 6. Medium according to any one of the claims 1 to 4, characterized in that
the first deformable layer (7) has a thickness less than or equal to 200
micrometers.
7. Medium according to any one of the claims 1 to 5, characterized in that
30 the medium (1) comprises a dielectric layer (4) arranged between the first
substrate (2) and the first photosensitive layer (5).

8. Medium according to any one of the claims 1 to 7, characterized in that the medium (1) comprises a first metal layer (3) arranged between the first substrate (2) and the first photosensitive layer (5).

5 9. Medium according to any one of the claims 1 to 8, characterized in that the medium (1) comprises a layer protecting against oxidation arranged between the first substrate (2) and the first photosensitive layer (5).

10 10. Medium according to any one of the claims 1 to 9, characterized in that the medium (1) comprises a second metal layer arranged between the first photosensitive layer (5) and the first deformable layer (7).

15 11. Medium according to claim 10, characterized in that a layer protecting against oxidation, transparent to the optical radiation, is arranged between the second metal layer and the first deformable layer (7).

20 12. Medium according to any one of the claims 1 to 11, characterized in that the medium (1) comprises at least one semi-transparent second photosensitive layer (10), arranged between the first deformable layer (7) and the second substrate (8), a second deformable layer (11) being arranged between the second photosensitive layer (10) and the second substrate (8).

25 13. Medium according to claim 12, characterized in that the second photosensitive layer (10) comprises an inorganic material.

14. Medium according to one of the claims 12 and 13, characterized in that the second photosensitive layer (10) comprises a patterned front face (10a).

30 15. Medium according to one of the claims 12 and 13, characterized in that the first deformable layer (7) comprises a patterned front face (7a).

16. Medium according to any one of the claims 1 to 15, characterized in that the medium (1) is in the form of an optical disc.

17. Medium according to any one of the claims 1 to 15, characterized in that
5 the medium (1) is in the form of a chip card.